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ABSTRACT

This pamphlet contains a summary of the scheme of assessment to be used in each of the experimental examinations devised as part of the 16+ examination research program. The committees of the School Council agreed to the publication of this material to encourage further discussion and to inform teachers about development in the experimental 16+ examinations. The information contained in this publication may not be accurate in every detail. Each examination board secretary has checked the statement which describes an experimental examination in which his board is involved but the information given in a few instances may be out of date. Also it must be pointed out that the schemes of assessment to be used in the experimental 16+ examinations are subject to amendment in the light of the experience gained through both trial papers and the actual experimental examinations. The studies have been grouped into somewhat arbitrary subject-areas for ease of presentation. The headings used are: Art, Craft and Technical Drawing; English; Housecraft and Needlework; Humanities; Mathematics; Modern Languages; Music; Science; Social Studies and Commercial Studies.
(Author/BJG)

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Schemes of assessment: experimental examinations for a common system of examining at 16 +

(SC PAMPHLET 15)

Schools Council

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S C H E M E S O F A S S E S S M E N T

EXPERIMENTAL EXAMINATIONS FOR A COMMON SYSTEM OF EXAMINING AT 16+

SCHOOLS COUNCIL
160 Great Portland Street
London W1N 6LL

1974

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FOREWORD

Details of the research work being carried out in connection with the proposal to establish a common system of examining at 16+ are given in the Schools Council leaflet: 16+ feasibility and development studies (which is obtainable free of charge from Schools Council). This pamphlet contains a summary of the scheme of assessment to be used in each of the experimental examinations devised as part of the 16+ examination research programme. The committees of the Council agreed to the publication of this material to encourage further discussion and to inform teachers about developments in the experimental 16+ examinations.

The information contained in this publication may not be accurate in every detail. Each examination board secretary has checked the statement which describes an experimental examination in which his board is involved but the information given in a few instances may be out of date. Also it must be pointed out that the schemes of assessment to be used in the experimental 16+ examinations are subject to amendment in the light of the experience gained through both trial papers and the actual experimental examinations.

The studies have been grouped into somewhat arbitrary subject-areas for ease of presentation. The headings used are:

ART, CRAFT AND TECHNICAL DRAWING;

ENGLISH;

HOUSECRAFT AND NEEDLEWORK;

HUMANITIES;

MATHEMATICS;

MODERN LANGUAGES;

MUSIC;

SCIENCE;

SOCIAL STUDIES AND COMMERCIAL STUDIES.

In all but two of the studies, there will be a common examination. The London/SE Mathematics examination will consist of a common core plus an optional paper of greater difficulty. The WJEC has two schemes in Mathematics, one of which involves setting papers at different levels - candidates are expected to enter for Papers 1 and 2, or 2 and 3. Many groups, on the other hand, have optional sections in the syllabus with a choice of questions, alternative papers or alternatives to the paper; the important difference is that these choices are intended to be of equal difficulty and the full range of marks and grades will be available on all choices.

When reference is made to the examination boards the following abbreviations are used:

GCE Boards

AEB	Associated Examining Board
Camb	University of Cambridge Local Examinations Syndicate
JMB	Joint Matriculation Board
London	London University Entrance and School Examinations Council
Oxford	Oxford Delegacy of Local Examinations
O & C	Oxford and Cambridge Schools Examinations Board
SUJB	Southern Universities Joint Board
WJEC	Welsh Joint Education Committee

CSE Boards

Alseb	Associated Lancashire Schools Examining Board
EA	East Anglian Examinations Board
EM	East Midland Regional Examinations Board
Met	Metropolitan Regional Examinations Board
Middx	Middlesex Regional Examining Board
NR	North Regional Examinations Board
NW	North Western Secondary School Examinations Board
SR	Southern Regional Examinations Board
SE	South East Regional Examinations Board
SW	South Western Examinations Board
WJEC	Welsh Joint Education Committee
WM	West Midlands Examinations Board
WYL	West Yorkshire and Lindsey Regional Examining Board
YR	Yorkshire Regional Examinations Board

ART, CRAFT AND TECHNICAL DRAWING

Consortium: JMB/Alseb/NW

Art and Design

First examination (operational) in 1974.

The examination will be an assessment by three assessors of course work and work on a stated area of study. Work may be in any medium. One assessor will normally be the candidate's own teacher, the other two will be from schools within the same consortium. Participating schools have been organised into consortia on a geographical basis. Three moderators have been appointed and each is responsible for the conduct of two trial assessments and one final assessment within the two consortia. A standardising meeting for the three moderators was held in the autumn term of 1973. Final assessment will be of a 'one man exhibition of work' which will be staged within the candidate's own school.

Consortium: WJEC

Art

First examination (operational) in 1973.

In the 1973 experimental examination only two sections, Composition and Graphics, were offered in the examination; course work could be from any part of the syllabus. In addition to these schemes, Study for Observation, Three Dimensional Design and Fabric Crafts will be offered in the 1974 examination.

Practical Examination 70%

Paper 1 - Composition (including two dimensional design) 5 hours

One question to be selected from any of the following:
Pictorial Composition; Illustration; Two-dimensional Design.

Paper 2 - Graphics 5 hours

One question to be selected from either Lettering and Calligraphy (including Pen-lettering, Hand-drawn lettering and Typography) or Design for Printing and Print-making.

Prior notice was given of the themes in the examination so that candidates could prepare notes and sketches, which could be taken into the examination and submitted as part of it.

Course work 30%

Both the examination and the course work were assessed by the teacher, with external moderation by visiting moderators.

Consortium: AEB/SE

Craftwork (Wood)

First examination (operational) in 1974

Paper 1 (theory) — 17% — 1 hour

Section A: objective items.

Section B: short answer questions.

The paper is designed to test mainly the 'knowledge' and 'judgements' sections of the syllabus.

Paper 2 (practical test piece) — 17% — 4 hours (preparation 1 hr., execution 3 hrs)

This will consist of a test piece and is intended to test the 'operations' section of the syllabus. It will be marked both by the teacher and by the Boards' assessor in order to investigate the feasibility of internal assessment in this study.

Paper 3 (Design) — 17%

Paper 4 (Realisation of Design) — 17% — 6 hours

This will be marked both by the teacher and by the Boards' assessor in order to investigate the feasibility of internal assessment in this study.

The design questions set will be sent to schools at the beginning of the spring term to enable candidates to examine the problem in detail without any rigid time limit. The six hours devoted to the realisation aspect is intended to be subdivided at the teacher's discretion using normal teaching periods if desired.

Course work — 33%

A maximum of three pieces of course work are to be assessed by the teacher according to a detailed schedule with the headings (a) design (b) craftmanship, each of which is to carry equal weight.

Consortium: AEB/WYL

Design and Craft

Paper 1 Design and Realisation of Design — 35%

(i) Three months prior to the date of the examination each school will receive a list of themes on which Design questions will be set. Each candidate will select one or more of these themes for further investigation.

(ii) At a specified time candidates will be given an examination paper setting out the Design problems from which they may choose one and will sketch out their solutions under examination conditions. — 15% — 2½ hours (+ 15 mins reading time)

(iii) In the week following the Design paper the candidate may modify his solution after consultation with his teacher.

(iv) Finally, in two or more sessions each candidate will proceed as far as possible with the realisation. — 20% — Up to 6 hours

Paper 2 Design and Communication — 15% — 1½ hours (+ 15 mins reading time)

Written questions based on the objectives of the examination. Some choice will be allowed.

Course work — 50%

In assessing course work the teacher is to mark separately the following aspects:

(a) the whole of the work done in a period of five terms immediately prior to the examination;

(b) a significant piece of course work of the candidate's own choice which must be supported by a design folio;

(c) evidence of depth of study including investigation into one aspect of the design process.

Detailed guidance is given for the marking of these aspects.

Consortium: Cambridge/EA

Technical Drawing

First examination (operational) in 1973

Paper 1		50%	2¾ hours
Section A:	ten short questions set on the whole syllabus with no choice allowed.	(10%)	(1 hour)
Section B:	five questions set on practical applications of plane and solid geometry with choice of three from five questions.	(18%)	
Section C:	two questions set on plane geometry with choice of one from two.	(11%)	
Section D:	two questions set on solid geometry with choice of one from two.	(11%)	
Paper 2	Engineering Drawing	50%	2½ hours

Four compulsory questions including questions on orthographic projection, freehand sketching, and drawing to given specifications (written or diagramatic). Reference books will not be allowed. Where applicable drawings should be made in accordance with B.S. 308.

Consortium: JMB/WYL

Technical Drawing

First examination (operational) in 1973

A Common Exam for Mode I: alternative schemes of assessment are being accepted under Mode III regulations.

Mode I

Paper 1 Comprehension — 1½ hours

Fifteen short-answer questions to be answered on the question paper; no choice allowed.

Paper 2 Geometrical Drawing — 1½ hours

Section A: seven short-answer compulsory questions.

Section B: plane geometry;
choice of two from three.

Section C: solid geometry;
choice of two from three.

Paper 3 Engineering Drawing — 1½ hours

A single compulsory question.

Consortium: London/Met.

Technical Drawing (Graphical Communication)

First examination (operational) in 1974

Paper 1	35%	2 hours

(i) Sheet I: approximately ten questions of a very simple nature concerned with applied plane and solid geometry; no choice allowed.

(ii) Sheet II: more demanding questions, approximately eight in number, of which the candidate is to attempt five questions to be based on applied plane and solid geometry.

(iii) Sheet III: approximately five questions from which candidates would be asked to answer two. These questions would represent areas from the sections listed for examination in Paper 2.

Paper 2	45%	2 hours

Two questions in each of seven sections;
each section corresponds to a section of the syllabus and the syllabus sections allow for specialised study e.g. mechanical engineering, electrical engineering, building drawing etc.

Candidates are required to answer both questions in one section, the second question will include an either/or alternative.

PROJECT WORK: a minimum of 15 hours work. 20%
The project will be internally assessed according to criteria laid down by the Boards; the final mark is to be awarded by at least two assessors.

ENGLISH

Consortium: AEB/SE

English

First examination (operational) in 1974.

The scheme of examination includes Language and Literature.

Paper 1 - Composition. 12½% 1½ hours

(a) Subjects requiring candidates to draw on their own experience and imagination.

(b) Subjects needing descriptive or controversial treatment - a letter, a report, instructions etc.

A choice of topics will be given in each section.

Paper 2 - Comprehension. 12½% 1½ hours

Up to three passages, differing in content and style, may be set, Objective and open-ended questions will be used to test understanding of the whole passage, of the meaning of particular words or phrases, of the appropriateness of the language, etc.

Course work. A further assessment of candidates' abilities in the areas tested in papers 1 and 2 will be made by the teacher during the period of preparation for the examination.

This assessment will be moderated externally. 15%

Paper 3 - Literature. 20% 2 hours

Questions will be set on an unseen poem and on two books, one drama and one prose, chosen from a list set by the Board; three questions to be attempted.

Literature Course Work: candidates must submit a folio of work based on the study of four books (one poetry, one drama, one prose, one optional choice) not on the list of set books. 20%

Oral examination

(i) Assessment by the teacher of all oral work done during the final year, subject to moderation. 10%

(ii) Oral interview: reading aloud followed by conversation. This may be conducted on an individual basis, in pairs or in groups of up to eight candidates; the interview must be tape-recorded and the moderator may also be present. 10%

Aural comprehension: questions on a recorded passage to test understanding and ability to identify points of view in a discussion.

Consortium: JMB/Alseb/NW

English

First examination (operational) in 1974.

Examination in language only.

Paper 1 - Expression.	40%	1½ hours (+ 10 mins reading time)

(a) Candidates will be required to produce a piece or pieces of continuous writing based on information (in a variety of forms: articles, reports, diagrams etc.) given in the paper.

(b) Candidates will be required to produce a piece of continuous writing of an imaginative character in response to a stimulus which may be verbal or non-verbal (pictures or music).

Each section of Paper 1 will carry equal weight.

Paper 2 - Understanding.	40%	1½ hours (+ 15 mins reading time)

Passages will be set in three sections: to test

(a) response to imaginative writing;
(b) the ability to extract factual information;
(c) the ability to evaluate persuasive writing.

Each section of Paper 2 will be equally weighted.
Dictionaries may be used in both Paper 1 and Paper 2.

Spoken English 20%

This will be assessed by the class teacher over a period of about one year. Teachers will be required to attend standardising meetings; detailed guidance on methods of assessment and on moderating methods has been issued.

Consideration is being given to the possibility of devising an examination in Literature.

Consortium: JMB/WM

English

First examination in 1974.

Separate examinations in Language and in Literature.

Language

Paper 1 - Written Expression:		1½ hours (+ ½ hour at the candidate's discretion)
(a) narrative, imaginative, discursive or descriptive essay;	25%	
(b) continuous imaginative writing.	12½%	
Paper 2 -		approx. 1½ hours (plus ½ hour at the candidate's discretion.)
(a) Factual comprehension passage.	10%	
(b) Imaginative comprehension passage.	15%	
(c) Continuous formal writing.	12½%	
Oral examination	25%	

This section will include a test of aural comprehension.

Literature

A choice is offered of three methods of assessment.

(a) Set book examination: candidates must answer three questions (not more than two from one section) on prescribed texts in prose, poetry and drama. Course work must include work on prose, poetry and drama; weighting of exam/course work is 60/40

Written paper 2 hours

(b) Thematic approach: six themes have been offered of which the candidates must study at least two. In the written paper candidates must answer three questions from at least two themes. Candidates must show evidence of having studied prose, poetry and drama for the examination as a whole but in the written paper they will be able to limit their choice to two sections; weighting of exam/course work is 60/40.

Written paper 2 hours

(c) 100% course work: candidates must compile folders of at least fifteen pieces of work done during the two-year course. Five best pieces must be submitted for moderation. Work must cover prose, poetry and drama.

Consortium: JMB/WYL

English

First examination (operational) in 1973

Primarily language . 100% internal assessment of course work. A minimum of twelve written assignments must be completed by each candidate during the year. Work will be assessed by the teacher (who will have attended three agreement trials before commencing the assessment), and will be moderated externally.

Consortium: London/EM

English

First examination (non-operational) in 1973.

A trial of different assessment techniques is intended, followed by a comparison with candidates' performances in GCE and CSE examinations. Investigations will take place into the types of essay subjects chosen by different groups of candidates, construction of objective tests of reading and listening comprehension to discriminate across the wide ability range, the oral examination, the literature folio, the possibility of offering additional papers in creative writing, literature and extra oral tests for candidates with special interests and abilities.

HOUSECRAFT AND NEEDLEWORK

Consortium: JMB/WYL

Housecraft

First examination (operational)in 1974

Written Paper	25%	2¼ hours

Part 1: short-answer questions based on the whole syllabus.

Part 2: five questions set on sections A and B of the syllabus; choice of two from five.

Part 3: five questions set on sections C and D of the syllabus; choice of two from five.

Internal Assessment	75%
(i) Practical tests, devised, administered and marked by the teacher to be spread over a period of time.	(50%)
(ii) Course work; any work other than practical work.	(25%)

Consortium: Cambridge/EA

Needlework/Dress

First examination (operational) in 1973

Written Paper	35%	2 hours

One compulsory multipart question and six structured questions; choice of three from six.

Practical Examination	40%	3 hours (+ 45 mins for marking and cutting)

Based on part of a garment.

Internal Assessment

Course work submitted in accordance with the regulations of either board for the 1973 examination.

The normal CSE method of marking coursework, marking by teachers followed by moderation at regional centres, was adopted in 1973.

In 1974 there is a proposed change in the weighting of the marks within the tests. More marks will be allocated to the more sophisticated processes in the hope of spreading candidates at the top end of the scale.

HUMANITIES

Consortium: JMB/WYL

Classical Subjects

First examination (operational) in 1974

Candidates to choose two out of four papers.

Paper 1 - Latin Language: 1½ hours (+ 15 mins reading time).

(a) A passage of Latin prose with multiple choice questions to test understanding. (20%)

(b) A prose passage for translation into English. (45%)

(c) Either short sentences for translation into Latin or comprehension questions on a more difficult passage than in (a) above. (35%)

A vocabulary will be supplied with the exam paper.

Paper 2 - Latin Literature: 1½ hours (+ 15 mins reading time).

Three passages from specified extracts in the set book: Two Centuries of Roman Poetry . Questions will be set requiring candidates to summarise, translate, appreciate constructions, similes etc., show comprehension and an overall grasp of context. All questions to be equally weighted.

Paper 3 - Latin and Greek Literature in translation: 2 hours (+ 15 mins reading time).

Candidates to answer four questions out of twelve on the set books including specified works of Homer, Sophocles, Aristophanes, Plautus, Virgil and Juvenal. All questions to be equally weighted.

Paper 4 - Greek and Roman Civilisation: 2 hours (+ 15 mins reading time).

Candidates to answer four questions from five sections: Homeric civilisation and archaeology; Athenian civilisation c. 450-400 B.C.; Revolution and Reform: Rome 70 BC-AD 14; Political and Social life in the Roman Empire, 1st Century AD; Roman Britain. All questions to be equally weighted.

Successful candidates taking papers 1 and 2 will gain a certificate in Latin; those taking 3 and 4 will gain a certificate in Classical Studies; Papers 1 or 2 with either 3 or 4 or half of 3 with half of 4, will give a certificate in Latin - with - Classical Studies.

Consortium: O and C/Middx.

Classical Studies: Greek and Roman Civilisation.

First examination (operational) in 1975.

The syllabus for Paper 1 covers social, political and economic history of Athens (494-399 BC) and Rome (78 BC - 14 AD) together with a study of the contemporary culture and literature in translation.

Paper 1 — 2 hours (+ 15 mins reading time).

Twenty structured questions. Candidates to answer at least four complete questions or their equivalent in part-questions. The fewer the questions attempted, the greater will be the depth of answer required.

Paper 2 — 2 hours (+ 15 mins reading time).

Six topics prescribed for special study. Candidates must answer four complete questions or their equivalent in part-questions as above.

Alternative to Paper 2

A substantial project may be submitted, in any form (not necessarily written) appropriate to its subject, by a candidate or group of candidates in place of paper 2. Projects will be assessed internally subject to moderation by the Boards. Outlines of projects must be approved by the Boards, one year in advance.

Consortium: Cambridge/EA

Geography

First examination (operational) in 1973.

Paper 1 — 40% — 2¼ hours (inc. 15 mins preparation).

Map reading question: compulsory. Three other questions to be answered on the British Isles.

Either Paper 2A or Paper 2B and Assignment

Paper 2A — 60% — 2½ hours

Five questions to be attempted, three on the Physical Geography elements of the Cambridge syllabus 261, at least one from Part 1, land forms, and one from Part II, weather, climate or vegetation and soils, and two chosen from one of the three optional regions in Cambridge syllabus 261; Western Europe, N. America or Tropical Africa.

Paper 2B — 30% — 2½ hours (inc. 15 mins preparation).

Covering EA Syllabus N/5/-/- Paper II. Four questions to be attempted; atlases may be used in this section.

Assignment: field work or local study projects as in N/5/-/-. 30%

Some common questions may be set in Papers 2A and 2B. The assignment will be internally assessed and externally moderated. Revisions have been made to the scheme for 1974 and 1975. All candidates will have the option of following either Cambridge syllabus 261 or EA syllabus N/5/-/- and therefore may opt for the different forms of examination in either paper 2A or 2B and the assessment.

Consortium: JMB/Alseb/NW

Geography

First examination (operational) in 1974.

The examination will test knowledge, of features specified in each section of the syllabus, of basic geographical terminology and conventions and knowledge based on the study in the field of particular aspects of geography. The examination will also seek to test comprehension and application of principles as illustrated by the ability to understand and interpret geographical information presented in writing, statistics, maps, diagrams, photographs and through observation in the field. The examination will also attempt to test the ability to synthesise information and use it to draw conclusions. Clarity of expression will be assessed through the demonstration of the ability to organise ideas and statements and to present geographical information logically.

Fieldwork (25%)

Candidates must submit a personal record of fieldwork undertaken during the period of preparation for the examination. This will be assessed by the teacher and externally moderated.

Home region (20%)

Including map reading. Industry, resources, transport, urban and rural settlement.

British Isles (35%)

Relief, weather, climate. Land forms. An extension of the study of the topics given. Home Region with reference to: The Lower Thames Basin; Yorkshire and the Scottish Highlands.

World Studies (20%)

Nile basin, Canadian shield, France.

Paper 1 35% 1¼ hours

An objective test will be set on the whole syllabus (excluding Fieldwork); it will contain about fifty items

Paper 2 40% 2½ hours

Structured and essay type questions on any part of the syllabus.

No choice of questions will be given in papers 1 or 2. Weighting of abilities to be tested in the written papers will be approximately 4:4:2. (Knowledge: Comprehension: Application)

Fieldwork 25%

Geography

First examination (operational) in 1974.

The aim of the examination is to test candidates' ability to:

(a) recall basic geographical facts and definitions;

(b) interpret geographical information from source material;

(c) understand and apply the principles of geography.

Paper 1 — 120 marks — 2½ hours

Mapwork (O.S.)	(20 marks)
Physical Geography of W. Europe, (inc. British Isles).	(40 marks)
Regional Studies of British Isles	(60 marks)

Paper 2 — 80 marks — 1¾ hours

Regional studies of W. Europe.	(40 marks)
Aspects of African Geography.	(40 marks)

All questions will be compulsory. Weighting of different abilities to be tested will be: factual recall 80; interpretation/translation 50; application etc. 70.

Structured and graded questions will be used. Questions may involve the use and interpretation of source material.

Teachers will be required to make an assessment of each candidate's attainment which will count for one third of the total mark for each candidate. This assessment will be standardised statistically to that of the written paper. Candidates will be expected to undertake field work during the course.

Consortium: WJEC

Geography

First examination (operational) in 1973. (A new syllabus is being devised for 1975).

3 hours

One paper

Section A

A compulsory question based on an O-S Map with items of graded difficulty, ranging from simple interpretation of symbols and use of map references to consideration and interpretation of information provided by the map.

Section B

Movements of the earth, seasons etc.; landforms, weathering; climate and vegetation.

Section C

England, Wales and Scotland. Industry, transport, resources, trade.

Section D

Regional geography of USA or Netherlands, France, W. Germany and Italy.

Section E

Either: Production and World Trade in wheat, rice, oil, iron ore, tea, wool.

Or: problems of settlement and economic developments of India and Pakistan.

Sections B,C,D and E - each section dealt with a particular part of the syllabus: one question had to be answered from each - some questions tested candidates' ability to handle source material.

Consortium: JMB/WM

History (Social and Economic History: 1700 - present)

First examination (operational) in 1974.

Paper 1 Core section:1700-1850 — 40% — 1½ hours

Section A: objective questions on core syllabus.
Section B: a number of structured questions, each requiring answers in continuous prose.

There will be an element of choice (not the same as a choice of questions).

Paper 2 Optional topics: 1880 - present. — 40% — 1½ hours

Eleven optional topics have been defined from a set list. Candidates will be required to answer essay type questions, one question from each of two topics.

Special Study — 20%

Candidates will be required to submit a special study on a topic related to the syllabus. The study should not exceed 3 000 words in length. The Special Study will be marked by the teacher and externally moderated.

Section A of Paper 1 is intended to test mainly factual knowledge while the rest of the examination would seek also to test the ability to select and organise material.

Consortium: London/Middx.

History (Modern World History)

No operational examination will be set.

The trial/experimental tests are being conducted over 1973 and 1974.

A trial is intended of various assessment techniques and comparisons will be made with candidates' performance in GCE and CSE.

Investigations are planned into the identification of aims of history teaching, use of objective tests to test different abilities, the role of oral examining in History, Project work, a common core syllabus, use of source material, types of question suitable for candidates of different abilities etc.

History (British History: 1867-1964)

First examination (operational) in 1974.

Paper 1 — 2 hours

Section A

Short-answer or objective questions on the whole syllabus. 20%

Section B

Choice of questions from sub-sections, 1867-1918 or 1900-1964. Structured questions, with a variety of material (e.g. pictures, statistics etc.) will be used. 30%

Paper 2 — 2½ hours

Section A

Between four and seven pieces of source material will be given, based on a single topic within the period 1867-1964. Objective or short-answer questions based exclusively on this material and graded in difficulty will be asked. 30% (1 hour)

Section B

Candidates to choose one out of three possibilities. 20%

1. Essay paper: two subjects to be chosen out of twelve.
2. Prepared essay: candidates will be required to write an essay on a previously prepared topic.
3. Project on a topic chosen by the candidate.

Paper 1 section A will aim to test knowledge of facts, terminology and basic understanding. Paper 1 section B will test the ability to argue, discuss and evaluate. Paper 2 section A will test skills of comprehension, translation and interpretation. Paper 2 section B will test the ability to assemble and marshal information from a variety of sources, to argue a case or to analyse a character or situation.

Consortium: SUJB/Met/Middx.

Religious Education

First examination (operational) in 1975.

Unmarked copies of the New English Bible should be issued to candidates in the examination.

Paper 1 — 50% — 2½ hours

New Testament

A. Approximately twenty short-answer questions; all questions to be answered. (20 marks)

B. Structured questions requiring several sentences or a short paragraph to answer; a choice will be given, four questions to be answered. (32 marks)

C. Two essay questions; a choice will be given. (48 marks)

Extracts from the New English Bible will be printed in section 1A; references will be given in 1B.

Paper 2 — 50% — 2½ hours

Old Testament

A. Structured questions; three to be answered; a choice will be given. (30 marks)

B. One essay question to be chosen. (20 marks)

Early and Contemporary Christianity

Either: The Work of the Holy Spirit as portrayed in the Early Christian Church.

Or: Christianity in the Modern World.

Both options will be examined as in Paper 2A and paper 2B, with a similar mark allocation.

MATHEMATICS

Consortium: AEB/Middx.

Mathematics

First examination (operational) in 1974.

Common examination syllabus: common core plus options.

Paper 1	Objective questions set on the common core syllabus; no choice of questions.	25%	1 hour
Paper 2	Constructed response and open-ended questions on the common core syllabus; no choice allowed. The paper to have an incline of difficulty.	35%	1½ hours
Paper 3	Paper set on the alternative sections of the syllabus. The paper to have an incline of difficulty.	40%	2½-3 hours

Two sections, progressively harder questions in the second section carrying progressively more marks. No choice in the first section; candidates choose four from eight in the second section.

Consortium: Cambridge/EA

Mathematics

First examination (operational) in 1973.

Paper 1	Approximately fifty questions covering the whole syllabus; no choice of questions allowed.	50%	2½ hours
Paper 2	Two sections; section B to contain some more difficult questions; no choice of questions allowed. The papers to be set in such a way that candidates will have a chance to do something in every question.	50% (25% + 25%)	2½ hours

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Consortium: JMB/Alseb/NW

Mathematics

First examination (operational) in 1974.

Paper 1	33%	1½ hours

Objective questions only based on the core syllabus.

Paper 2	33%	2 hours

A variety of question types excluding objective questions based on the core syllabus; no choice will be allowed.

Paper 3	33%	1¾ hours (+ 15 mins reading time)

Questions set on two topics.

Candidates may answer questions from either topic or from both topics. The questions on each topic will be divided into two sections.

Section 1 will consist of fairly straightforward questions and Section 2 will consist of more difficult questions. There will be a choice of questions, the mark weighting of each question will be indicated and candidates will be allowed to choose questions from any section or from all sections.

Consortium: London/SE

Mathematics

First examination (operational) in 1974.

Optional papers of different difficulties will be set.

Paper 1	1 hour

A multiple-choice test in which all questions should be attempted.

Paper 2	1 hour 40 mins

To consist of about ten structured questions all of which should be attempted.

Papers 1 and 2 are based on the common core syllabus and candidates may obtain up to CSE Grade 1 or GCE Grade E on them.

Paper 3	2 hours

An optional paper and consisting of seven sections corresponding to the seven sections of the further syllabus, each containing two questions. Candidates will be required to answer six questions, although they will be advised to study at least four sections of the syllabus. The main function of the paper is to discriminate between those candidates who have reached GCE standard on their performance on Papers 1 and 2.

Teacher Assessment

To contribute about one third of the assessment and to be based on records which should be available to the Boards. Moderation by consortia, by visiting moderators and by statistical means may all be adopted for purposes of comparison. The Working Party is attempting to define criteria for the O-level passing grades.

Mathematics

First examination (operational) in 1973.

Two alternative schemes were produced.

Scheme 1 — 2 hours

Two papers, each of 2 hours. In each paper Section A consisted of 25 short questions, all compulsory, while Section B contained eight more difficult questions, candidates being required to answer as many as possible of these in the time allowed.

Paper 1

This was based predominantly on material common to both the CSE and O-level syllabuses.

Paper 2 — 2 hours

A higher proportion of questions were based on material exclusive to the O-level syllabus.

Scheme 2 (overlapping papers)

Three question papers were provided, candidates being required to take Paper 2 and at least one of the other two papers. Papers 1 (1½ hours) and 2 (2 hours) were based on common elements in existing GCE and CSE syllabuses - all questions were compulsory.

Paper 3 (2 hours), a more difficult paper, was based on the content of the GCE syllabus - again all items were compulsory.

Consortium: O and C/SR

SMP Mathematics

Trials in 1974

Trials of three forms of Written Paper 1 will be held in March 1974, as follows:

Form 1 - Objective items: four option items and true/false items. (The true/false items may include any pair of opposites e.g. equivalent, not equivalent: satisfied, not satisfied: can, cannot: must be true, may be false).

Form 2 - Short-answer questions.

Form 3 - Structured questions.

The purpose of these trials is to determine the type of paper to be used in 1975.

The non-operational examination in 1975

The Working Party has chosen to investigate four methods of assessment - two types of written paper (called here Paper 1 and Paper 2), Topic Work and Project. Three samples of pupils will be drawn, and each will be assessed on Paper 1 and one of Written Paper 2, Topic Work, Project.

Schools will also be asked to provide a coursework assessment for each pupil.

1. Written Paper 1.

   Following the trials in March 1974, schools will be notified, during the Autumn term, 1974, of the type of paper to be used in 1975.

2. Written Paper 2.

   A specimen Written Paper 2 is being prepared and will be circulated to schools during the Spring term, 1974. It is envisaged that there will be two sections to the paper. Section A would contain a number of compulsory questions, shorter and easier than those in Section B, but for both sections candidates would be expected to give explanation and working.

Written papers 1 and 2 will be externally marked and moderated.

3. Topic Work

   Schools will choose one or more of the following topics:

   (i) Computer Appreciation and Programming
   (ii) The History of Mathematics
   (iii) Mathematical Design
   (iv) Mechanisms

   The syllabuses should be considered to be a minimum and it is expected that each pupil will develop one topic as far as he can in about four to six weeks of normal teaching time.

   Work on the topic will be internally marked in the schools by the pupils' teachers and a sample of work from each school will be externally moderated.

4. Project Assessment

   (a) Projects will be internally marked in the schools by the pupils' teachers and a sample of projects from each school will be externally moderated.

   (b) Each pupil submitting a project will have a brief viva voce examination on it to assist the teacher/examiner in his assessment.

   (c) The criteria on which project work will be assessed have not yet been finally decided but it is considered that the following should be amongst the features for which credit is given:

   (i) evidence of mathematical thought;
   (ii) initiative, resourcefulness and imagination;
   (iii) originality of approach;

(iv) full and purposeful use made of time available;
(v) presentation and layout.

5. Course Work

Pupils' teachers will be asked to give two assessments.

(i) An assessment based opon the results of regular (at least termly) tests held during the final two years of the course.

(ii) An assessment based upon the personnal knowledge of the teacher of the fifth year of each pupil's attainment in mathematics, this knowledge being gained as a result of teaching him.

MODERN LANGUAGES

Consortium: AEB/Met/Middx.

French

First examination (operational) in 1974.

Paper 1

Section A:	Listening Comprehension.	20%	45 mins
	Three passages of about 100 words each, one recorded on tape, two read by teacher; written questions and answers in English.		
Section B:	Reading Comprehension.	25%	45 mins
	Approximately 40 multiple choice items in French, some of which will be discrete items and some of which will be in item-sets based on longer passages.		
Paper 2	Composition.	25%	1½ hours

(a) Letter in French in reply to a letter printed on the paper.
(b) Questions in French based on a picture series.
(c) Questions in French on a passage.

Questions in (b) and (c) will require candidates to write French - they will not test merely comprehension.

Oral Test	30%	Approx. 20 mins

(a) Reading aloud. (10 marks)
(b) Questions on pictures. (20 marks)
(c) Assignment - candidates will be required to find out specific information from the examiner e.g. train times; finding one's way etc. (20 marks)
(d) Conversation. (40 marks).

The oral will be conducted and marked by the teacher, recorded on tape and moderated by the Boards.

French

First examination (operational) in 1974.

Paper 1	Free composition.	35%	1½ hours
(a)	Composition of about 140 words on one of a choice of topics.	(25%)	
(b)	A short letter on a specific topic.	(10%)	
Paper 2			
(a)	Listening Comprehension: objective questions in French.	15%	30 mins (approx)
(b)	Reading Comprehension: objective questions in French on separate items and on longer continuous passages.	15%	40 mins
Oral test		35%	
(a)	Reading aloud	(5%)	
(b)	Conversation: prepared questions:	(10%)	
	visual stimulus;	(10%)	
	general conversation on set subjects.	(10%)	

The oral will be tape-recorded and marked externally.

Consortium: London/YR

French

First examination (operational) in 1974.

Test 1 Speaking — 25% — 10-15 mins

(a) Role-playing - two situations.
(b) Narrative based on picture sequence.
(c) Questions on a single picture.
(d) Two to three minutes of general conversation.

Test 2 Listening Comprehension — 25% — 40 mins

Approximately forty objective items. Balance of short and long passages; two 20 mins sessions. Passages will be recorded on tape.

Test 3 Reading Comprehension — 25% — 45 mins

Approximately forty objective items. Balance of questions to test detailed and general understanding.

Test 4 Writing — 25% — 1½ hours

(a) Five separate pictures with questions to be answered in French.
(b) A letter (about 90 words) in answer to a letter in French.
(c) A composition (between 120 and 130 words) on a series of pictures.

The speaking test will be conducted by the teacher, recorded, and marked externally. Teachers will be asked to contribute their own assessment of their candidates based on performance in the same four areas tested in the examination; this assessment will be moderated statistically against the performance of candidates in the examination and will be equally weighted with it. Moderators will also visit the schools during the course.

A full list of vocabulary and syntax expected of candidates has been drawn up for this examination.

Consortium: Oxford/SR

French

First examination (operational) in 1974.

Part 1	Listening Comprehension	25%	About 1 hour
	Two multiple choice tests, each of 20-30 items of varying difficulty, some based on short passages and some on longer ones. The passages will be on tape.		
Part 2	Reading Comprehension	25%	About 1 hour
	30-50 multiple choice items, based on passages of varying difficulty and length.		
Part 3	Speaking	25%	15-20 mins
	(a) Reading aloud.	(2.5%)	
	(b) Role-playing - two situations.	(5.0%)	
	(c) Description of a picture sequence.	(6.25%)	
	(d) Ten questions from a set list of one hundred questions.	(5.0%)	
	(e) Conversation on prepared topic.	(6.25%)	
	The oral will be conducted and marked by the teacher and taped for moderation.		
Part 4	Writing	25%	1½ hours
	(a) Reply (up to 150 words) to a letter.		
	(b) Composition (not more than 150 words) on a series of pictures.		

Consortium: Cambridge/EA

German

First examination in 1975.

No details are yet available.

Consortium: WJEC/SW

German

First examination in 1975.

No details are yet available.

MUSIC

Consortium: AEB/WYL

Music

First examination (operational) in 1974.

The syllabus is divided into the following sections.

1. Ensemble playing: the school must certify that candidates have taken part in some form of ensemble playing but it will not be examined.

2. Musical Literacy: questions on dynamics, time signatures, simple form, sequences etc., based on a recorded piece, written questions and answers. Time allowed approximately 50 minutes.

3. Practical musicianship: identification of major or minor key, chords, time signature, sight singing, accompaniment with chords on any suitable instrument.

4. Musical Knowledge: recognition of about 24 themes from eight works chosen by the candidate for study.

5. Performance: a solo performance on the instrument(s) of the candidate's choice; choice of piece(s) is left to the candidate.

6. Harmony: candidates will be required to add a second part to a melody, to harmonise indicated cadence points, to complete a melody, to harmonise a melody in four parts or to write in appropriate guitar chords to accompany a simple song.
Time allowed 1½ hours

7. Form and History: a more searching test on the type of work submitted under 4. A written paper will be set.
Time allowed 1½ hours.

8. Composition: an original composition by the candidate, either written, recorded or as a live performance. Work will be discussed with the Visiting Assessor.

9. Individual study: a personal investigation into some aspect of music; it could be a written project with musical examples, the making and playing of an instrument etc. It would not include original composition which is more appropriate under section 8. Candidates will discuss their work with the Visiting Assessor.

Sections 1 - 4 are compulsory. Candidates will chose two out of sections 5-9. Sections 2, 6 and 7 will be examined by means of written papers, externally marked. Examinations of sections 3, 4, 5, 8 and 9 will be conducted by a Visiting Assessor and marked jointly by the class teacher and the Assessor, following agreement trials, attended by both teachers and Assessors. All sections will be equally weighted (20%).

SCIENCE

Consortium: AEB/Met

Biology

First examination (operational) in 1974.

Paper 1	25%	1 hour

Short-answer and objective questions; confined to the basic syllabus.

Paper 2	45%	2½ hours

Section A: eight structured questions corresponding to the eight parts of the syllabus; choice: five from eight.

Section B: one essay; choice: one from two.

Practical Examination	10%	Not more than 1½ hours

Station type; approximately half time on short exercises and the remainder on longer exercises.

Internal Assessment	20%
(i) Field work.	(10%)
(ii) Long term investigation.	(10%)

The practical and other abilities to be assessed have been listed.

Consortium: Cambridge/EA

Biology

First examination (operational) in 1973.

Paper 1	33%	2 hours

Short-answer, objective and structured questions: no choice.

Paper 2	33%	2 hours

This will include: structured questions;
essay type questions based on comprehension passage;
two essays.

There will be no choice.

N.B. Schools were informed that each written paper was designed to be completed by the most able candidates in 1½ hours although 2 hours was allowed and '2 hours' was printed on the paper.

Practical Examination	17%	2 hours

The Cambridge 1973 O-level practical test.

Internal Assessment 17%

1973 At the discretion of the teacher this could be based on:

field work;
project work;
course work (including practical work);
internal tests and mock exams;
other methods proposed by the teacher and approved by the working party.

No general guidance was issued. The working party felt that, the number of schools being small, guidance could be offered individually when detailed proposals were received from the schools.

1974 It is proposed that the abilities to be assessed internally shall be defined while leaving the maximum flexibility for schools to choose the vehicle for the actual assessment.

Consortium: JMB/WYL

Biology

First examination (operational) in 1973.

Written Paper		50%	2 hours
Section A:	objective and short-answer questions carrying half the marks for the paper.		
Section B:	longer questions-some requiring the writing of continuous prose.		
Internal Assessment		50%	
(i)	Work units; two or three units - some provided, others could be submitted by schools for approval.	(30%)	
(ii)	Practical abilities based on the common syllabus.	(20%)	

Consortium: London/SE

Biology

First examination (operational) in 1974.

Paper 1	27%	1 hour

Objective test covering the whole syllabus.

Paper 2	40%	2½ hours

Section A: structured questions, only covering Part 2 of the syllabus; all questions compulsory. (27%)

Section B: essay questions are mainly on Parts 1 and 3 of the syllabus. (13%)

Internal Assessment 33%

(a) Practical work and optional project: a minimum of twelve experiments taking 12 hours of school time to be assessed (if the project is offered this is reduced to six experiments taking 6 hours of school time). (17%)

(b) Course work: five assessments to be made over not less than two or more than five full terms. (17%)

Weighting: practical (or practical + project): course work: theory

2 (or 2 + 1): 2 : 8

Consortium: WJEC

Biology

First examination (operational) in 1973.

Paper 1	1½ hours

Objective and short-answer questions, graded in difficulty and all compulsory, based on the common elements in the GCE and CSE syllabuses.

Paper 2	1½ hours

Three compulsory structured questions, with items ranging from simple objective type to those requiring reasoning ability, plus five essay type questions - three to be attempted - designed to evoke some response from less able candidates.

Consortium: JMB/WM

Chemistry

First examination (operational) in 1974.

Paper 1		
Section A: objective questions.	45%	1½ hours
Section B: short-answer questions; no choice allowed and based on the common core syllabus.		
Paper 2	30%	2¼ hours (15 mins reading time, 2 hours working time)
Optional topics: eight sections corresponding to the eight sections of the syllabus; 16 questions in all. Core material may be examined in Paper 2. Choice of six from sixteen from a minimum of four sections.		
Internal Assessment	25%	
Largely of practical work throughout the course; the abilities to be assessed have been listed.		

Consortium: London/YR

Chemistry

First examination (operational) in 1974.

Paper 1	25%	1 hour
Objective test; fifty items.		
Paper 2	25%	2½ hours
Section A: about seven structured questions; all compulsory.	(20%)	
Section B: unspecified number of questions; one to be attempted.	(5%)	
Internal Assessment	50%	
Details have yet to be decided.		

Consortium: AEB/EM

Integrated Science

A range of assessment techniques are being investigated over a limited syllabus area in preparation for the setting up of an experimental examination. The first experimental examination is unlikely to be held before 1976.

Consortium: AEB/EM

Physics

A single multiple-choice paper was taken in the summer 1972 by 460 candidates in the EM Region who were also taking either the EM or the AEB Physics examinations or both.

Consortium: JMB/Alseb/NW

Physics

First examination (operational) in 1974.

Paper 1 — 45% — 1 hour

Approximately 50 compulsory objective questions set on the core syllabus.

Paper 2

Structured questions — 35% — 2 hours

EITHER

Further Physics: sixteen short-answer questions with no choice and sixteen structured questions with choice of eight from sixteen.

OR

Options: eight short-answer questions in each option, no choice allowed, and eight structured questions in each option with choice of four from eight.

N.B. Candidates taking the options must attempt questions from TWO options.

Practical Work — 20%

EITHER

Practical Examination

Six experiments to be completed — 2 hours

OR

Practical Tests

Two tests, set and marked by the Boards, to be taken in each of three terms prior to the examination, six tests in all. The duration of each test is approximately 20 minutes.

Consortium: Oxford/SR

Physics

First examination (operational) in 1974.

Paper 1A — 1½ hours

Fifty objective items based on the common core syllabus.

Paper 1B — 1 hour

To be set on options which may be externally or internally set and marked depending on school's choice of option.

Paper 2 — 2 hours

Structured questions based on the common core syllabus.

Internal Assessment

(i) Options suggested by school and accepted by Board (if options suggested by the Board are chosen these will be externally set and assessed).

(ii) Practical work:

an assessment profile will be provided by the Board.

Weighting:		
	Common core	80%
	(Theory - external assessment)	(70%)
	(prac. - internal assessment)	(10%)
	Options (internal or external assessment)	20%

SOCIAL STUDIES AND COMMERCIAL STUDIES

Consortium: AEB/Met

Social Science

1. Examination. — 60% — 2½ hours

   The examination paper will be structured to contain different types of questions and test different skills.

   Sections A and B will include stimulus material and will test knowledge, understanding and skills of interpretation and analysis.

   Section C will contain open-ended essays.

2. (a) Two minor studies in depth, related to course work. — 15%

   (b) One project based upon a subject of the candidate's choice. — 15%

3. Teacher Assessment. — 10%

   The teacher will be able to use the 10% to assess factors, such as oral contribution, which are not specifically covered in 1 and 2.

Consortium: JMB/WM

Commerce

First examination (operational) in 1974.

Paper 1 — 30% — 45 mins

Objective and short-answer questions; based on the whole syllabus with no choice allowed.

Paper 2 — 50% — 1¾ hours

Structured questions, problems and questions involving diagrams, statistical information etc. based on the whole syllabus; no choice allowed.

Both papers are to be taken in one school session with a 15 minute interval between papers.

EITHER

Internal Assessment — 20%

This is to be based on course work: detailed instructions will be given.

OR (for external candidates only).

An extended study of not more than thirty sides of A4 paper on one of four subjects stated by the Boards. Detailed notes for guidance will be provided. A short interview is also envisaged so that the same abilities as those assessed by the teacher will be assessed as far as possible.

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